

| Ref # | Hits | Search Query   | DBs                                       | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L8    | 105  | (waveguide near3 grating awg) same control\$4 same photodetector   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/02/06 15:22 |
| S1    | 478  | (waveguide near3 grating awg) same input near3 (plural\$3 multipl\$5) same output near3 (plural\$3 multipl\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/02/03 10:49 |
| S2    | 75   | S1 and waveguide same phase near3 modulat\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/02/03 10:50 |
| S3    | 3    | S2 and waveguide same (path adj length) near3 differ\$4  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/02/03 10:50 |
| S4    | 2554 | (waveguide near3 grating awg) same input same output   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/02/03 10:49 |
| S7    | 155  | S4 and waveguide same phase near3 modulat\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/02/03 10:50 |
| S8    | 8    | S7 and waveguide same (path adj length) near3 differ\$4  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/02/03 13:17 |
| S9    | 2    | S8 and control adj signal  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/02/06 10:37 |
| S10   | 0    | S8 and control adj signal near5 phase adj modulat\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/02/03 11:22 |
| S11   | 5    | S7 and control adj signal near5 phase adj modulat\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/02/06 15:22 |

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| S12 | 17   | phase adj error adj compensat\$3<br>near3 (waveguide near3 grating awg)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 11:27 |
| S13 | 17   | phase adj error adj compensat\$3<br>same (waveguide near3 grating awg)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 11:27 |
| S16 | 2554 | (waveguide near3 grating awg)<br>same input same output   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 13:24 |
| S17 | 155  | S16 and waveguide same phase<br>near3 modulat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 13:18 |
| S18 | 0    | S17 and controller near5 memory   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 13:18 |
| S19 | 0    | S17 and control\$4 near5 memory   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 13:18 |
| S20 | 478  | (waveguide near3 grating awg)<br>same input near3 (plural\$3<br>multipl\$5) same output near3<br>(plural\$3 multipl\$5) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 13:18 |
| S21 | 22   | S20 and control\$4 near5 memory   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:15 |
| S22 | 11   | S20 and control\$4 near5 memory<br>same photodetector   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 16:23 |
| S23 | 0    | S20 and control\$4 near5 memory<br>same photodetector same<br>(temperature thermal\$2) near3<br>(sens\$3 detect\$3)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 13:21 |

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| S24 | 0   | S20 and control\$4 near5 memory same (temperature thermal\$2) near3 (sens\$3 detect\$3)                                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON  | 2006/02/03 13:21 |
| S25 | 0   | S20 and control\$4 near5 memory same heat near3 (sens\$3 detect\$3)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON  | 2006/02/03 13:21 |
| S26 | 180 | (waveguide near3 grating awg) same (thermal temperature heat) near3 (sens\$3 detect\$3)                                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON  | 2006/02/03 13:24 |
| S27 | 55  | (waveguide near3 grating awg) near5 (thermal temperature heat) near3 (sens\$3 detect\$3)                                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON  | 2006/02/06 10:46 |
| S28 | 2   | (waveguide near3 grating awg) near5 ((thermal temperature heat) near3 (sens\$3 detect\$3)) near5 (plural\$3 multipl\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON  | 2006/02/03 13:28 |
| S29 | 4   | (waveguide near3 grating awg) same ((thermal temperature heat) near3 (sens\$3 detect\$3)) near5 (plural\$3 multipl\$5)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON  | 2006/02/03 13:29 |
| S30 | 4   | (waveguide near3 grating awg) same (plural\$3 multipl\$5) near5 ((thermal temperature heat) near3 (sens\$3 detect\$3))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON  | 2006/02/03 13:30 |
| S31 | 20  | (waveguide near3 grating awg) same ((thermal temperature heat) near3 (sensors detectors))                               | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/02/03 13:30 |
| S32 | 222 | phase near3 modulat\$3 near5 (transistor resistor pin adj diode)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON  | 2006/02/03 14:18 |
| S33 | 0   | S32 same (waveguide near3 grating awg)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON  | 2006/02/03 14:07 |

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| S34 | 2  | S32 and (waveguide near3 grating awg)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 14:07 |
| S35 | 8  | S32 and "385"/\$.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 14:20 |
| S36 | 3  | phase near3 modulat\$3 near5 (transistor resistor pin adj diode) near5 (improv\$5 advantage)      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 14:18 |
| S37 | 2  | "5757986".pn.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 14:26 |
| S38 | 14 | (waveguide near3 grating awg) same (strip\$1load\$3 strip adj load\$3)                            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 14:29 |
| S39 | 29 | (strip\$1load\$3 strip adj load\$3) near5 waveguide same (low-index low adj index)                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 14:39 |
| S40 | 74 | (strip\$1load\$3 strip adj load\$3) near5 waveguide and (low-index low adj index)                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 14:34 |
| S41 | 28 | (strip\$1load\$3 strip adj load\$3) near5 waveguide and (low-index low adj index) near3 waveguide | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 14:35 |
| S42 | 1  | (waveguide near3 grating awg) same monocrystalline near3 silicon same dielectric                  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 14:40 |
| S43 | 48 | (waveguide near3 grating awg) same silicon same dielectric  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 14:41 |

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| S44 | 3   | (waveguide near3 grating awg)<br>same silicon same dielectric same<br>alternat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 14:41 |
| S45 | 0   | alternating near5 monocrystalline<br>near3 silicon near5 dielectric  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 14:42 |
| S46 | 3   | alternating same monocrystalline<br>near3 silicon same dielectric  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 14:43 |
| S47 | 629 | monocrystalline near3 silicon near5<br>dielectric  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 14:43 |
| S48 | 0   | controller same signal adj generator<br>same phase adj modulator same<br>light adj source same (awg arrayed<br>adj waveguide adj grating) same<br>photodector same signal adj<br>detector                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 16:25 |
| S49 | 0   | controller same signal adj generator<br>same phase adj modulator same<br>(light adj source laser led) same<br>(awg waveguide adj grating) same<br>(photodetector photodiode) same<br>signal adj detector | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 16:26 |
| S50 | 0   | signal adj generator same phase adj<br>modulator same (light adj source<br>laser led) same (awg waveguide adj<br>grating) same (photodetector<br>photodiode) same signal adj<br>detector                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 16:26 |
| S51 | 0   | generator same phase adj<br>modulator same (light adj source<br>laser led) same (awg waveguide adj<br>grating) same (photodetector<br>photodiode) same detector  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 16:26 |
| S52 | 0   | phase adj modulator same (light adj<br>source laser led) same (awg<br>waveguide adj grating) same<br>(photodetector photodiode)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/03 16:26 |

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| S53 | 4    | phase adj modulator same (light adj source laser led) same (awg waveguide adj grating) same (photodetector photodiode detector) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/06 11:17 |
| S55 | 0    | (array\$3 adj waveguide adj grating awg) same (photodetector photodiode) same control\$4 same phase adj modulat\$3              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 16:38 |
| S56 | 2    | (waveguide adj grating awg) same (photodetector photodiode) same control\$4 same phase adj modulat\$3                           | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/03 16:38 |
| S57 | 2554 | (waveguide near3 grating awg) same input same output  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/06 10:37 |
| S58 | 155  | S57 and waveguide same phase near3 modulat\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/06 10:37 |
| S59 | 8    | S58 and waveguide same (path adj length) near3 differ\$4  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/06 10:37 |
| S60 | 0    | S59 and control adj signal near5 (plural\$3 multipl\$5)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/06 10:38 |
| S61 | 2    | S58 and control adj signal near5 (plural\$3 multipl\$5)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/06 10:41 |
| S62 | 0    | S58 and control adj signal near5 memory   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/06 10:41 |
| S63 | 0    | S58 and control adj signal same memory  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/06 10:41 |

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| S64 | 51    | S57 and control adj signal same memory  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 10:41 |
| S65 | 3     | (waveguide near3 grating awg)<br>near5 (thermal temperature heat)<br>near3 (sens\$3 detect\$3) same<br>control adj signal   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 10:46 |
| S66 | 24655 | (waveguide near3 grating awg) and<br>control adj signal and signal adj<br>generator and light adj source and<br>phase modulat\$3 and<br>(photodetector photodiode) and<br>detector                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:19 |
| S67 | 4751  | (waveguide near3 grating awg)<br>same control adj signal same signal<br>adj generator same light adj source<br>same phase modulat\$3 same<br>(photodetector photodiode) same<br>detector            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:20 |
| S68 | 281   | (waveguide near3 grating awg)<br>same control adj signal same signal<br>adj generator same light adj source<br>same phase modulat\$3 same<br>(photodetector photodiode) same<br>signal adj detector | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:23 |
| S70 | 115   | ((waveguide near3 grating) awg)<br>same (phase adj modulat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:24 |
| S71 | 5     | S70 same signal near3 control\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:24 |
| S72 | 897   | ((waveguide near3 grating) awg)<br>and (phase adj modulat\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:24 |
| S73 | 459   | S72 and signal near3 control\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:25 |

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| S74 | 343  | S73 and signal near3 generat\$4    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:25 |
| S75 | 176  | S74 and light adj source           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:25 |
| S76 | 116  | S75 and (photodetector photodiode) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:26 |
| S77 | 81   | S76 and signal near3 detect\$3     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:43 |
| S78 | 3198 | 385/37.ccls.                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/06 11:43 |


**PALM INTRANET**

Day : Monday  
 Date: 2/6/2006  
 Time: 18:02:58

**Inventor Name Search Result**

Your Search was:

Last Name = GUNN

First Name = LA WRENCE

| Application#             | Patent#                 | Status | Date Filed | Title   | Inventor Name              |
|--------------------------|-------------------------|--------|------------|---|----------------------------|
| <a href="#">09649969</a> | <a href="#">6831938</a> | 150    | 08/28/2000 | OPTICAL SYSTEM USING ACTIVE CLADDING LAYER  | GUNN III,<br>LAWRENCE CARY |
| <a href="#">60446842</a> | Not Issued              | 159    | 02/11/2003 | Optical waveguide grating coupler   | GUNN LLL,<br>LAWRENCE C.   |
| <a href="#">60318445</a> | Not Issued              | 159    | 09/10/2001 | SOI waveguide with polysilicon gate   | GUNN, LAWRENCE             |
| <a href="#">60406155</a> | Not Issued              | 159    | 08/27/2002 | Buried vertical capacitor in strip loaded waveguide for use in optical modulator                              | GUNN, LAWRENCE             |
| <a href="#">60406400</a> | Not Issued              | 159    | 08/27/2002 | Field effect waveguide design for use in optical modulators   | GUNN, LAWRENCE             |
| <a href="#">60406401</a> | Not Issued              | 159    | 08/27/2002 | Wave guiding strip as self-aligned implant mask for use in optical modulator                                  | GUNN, LAWRENCE             |
| <a href="#">60432925</a> | Not Issued              | 159    | 12/12/2002 | Nanophotonic modulators and detectors for chip-to-chip optical interconnects                                  | GUNN, LAWRENCE             |
| <a href="#">60432946</a> | Not Issued              | 159    | 12/12/2002 | Design and a process to produce an integrated photo-detector in standard CMOS processed silicon semiconductor | GUNN, LAWRENCE             |
| <a href="#">60433470</a> | Not Issued              | 159    | 12/13/2002 | Germanium developement  | GUNN, LAWRENCE             |
| <a href="#">60454870</a> | Not Issued              | 159    | 03/14/2003 | Angled-tip fiber and diffraction grating forming a fiber-to-chip coupler                                      | GUNN, LAWRENCE             |
| <a href="#">60455910</a> | Not Issued              | 159    | 03/18/2003 | Method for fabricating self-correcting, adaptive, or tunable arrayed waveguide grating                        | GUNN, LAWRENCE             |
| <a href="#">60456381</a> | Not Issued              | 159    | 03/21/2003 | Polarization-splitting waveguide grating coupler  | GUNN, LAWRENCE             |
| <a href="#">60461041</a> | Not Issued              | 159    | 04/07/2003 | Reflective structures for fiber positioning and alignment on an   | GUNN, LAWRENCE             |

|                 |            |     |            |  |                   |
|-----------------|------------|-----|------------|--|-------------------|
|                 |            |     |            | integrated optical circuit with surface emitting/receiving optical devices   |                   |
| <u>60495402</u> | Not Issued | 159 | 08/15/2003 | High speed electro-optic modulator on silicon SOI using periodical distributed lateral abrupt PN diode structure                           | GUNN, LAWRENCE    |
| <u>60495404</u> | Not Issued | 159 | 08/15/2003 | Approach of using distributed lateral abrupt PN diode structure to enhance efficiency in high-speed electro-optic modulator on Silicon SOI | GUNN, LAWRENCE    |
| <u>09815836</u> | Not Issued | 161 | 03/22/2001 | Method and apparatus for dynamic information connection engine   | GUNN, LAWRENCE A. |
| <u>10952124</u> | Not Issued | 30  | 09/27/2004 | Method and apparatus for identifying pixel position and geometry in 3D systems   | GUNN, LAWRENCE A. |
| <u>10242313</u> | 6895148    | 150 | 09/10/2002 | MODULATOR BASED ON TUNABLE RESONANT CAVITY   | GUNN, LAWRENCE C. |
| <u>10458165</u> | 6887773    | 150 | 06/10/2003 | METHODS OF INCORPORATING GERMANIUM WITHIN CMOS PROCESS   | GUNN, LAWRENCE C. |
| <u>10600563</u> | Not Issued | 71  | 06/19/2003 | Waveguide photodetector with integrated electronics  | GUNN, LAWRENCE C. |
| <u>10600804</u> | Not Issued | 94  | 06/19/2003 | INTEGRATED DUAL WAVEGUIDES   | GUNN, LAWRENCE C. |
| <u>10601147</u> | Not Issued | 41  | 06/19/2003 | Array of active optical components aligned to an array of grating couplers   | GUNN, LAWRENCE C. |
| <u>10603377</u> | Not Issued | 160 | 06/24/2003 | Removal of material from the surface of a substrate  | GUNN, LAWRENCE C. |
| <u>10606297</u> | Not Issued | 95  | 06/24/2003 | CMOS PROCESS SILICON WAVEGUIDES  | GUNN, LAWRENCE C. |
| <u>10650234</u> | 6999670    | 150 | 08/27/2003 | ACTIVE WAVEGUIDES FOR OPTOELECTRONIC DEVICES   | GUNN, LAWRENCE C. |
| <u>10734374</u> | Not Issued | 95  | 12/12/2003 | POLARIZATION SPLITTING GRATING COUPLERS  | GUNN, LAWRENCE C. |
| <u>10758561</u> | Not Issued | 41  | 01/14/2004 | Integrated photonic-electronic circuits and systems  | GUNN, LAWRENCE C. |
| <u>10776146</u> | Not Issued | 71  | 02/10/2004 | Optical waveguide grating coupler with varying scatter cross   | GUNN, LAWRENCE C. |

|                 |            |    |            | sections   |                   |
|-----------------|------------|----|------------|--|-------------------|
| <u>10776438</u> | Not Issued | 41 | 02/10/2004 | Optical waveguide grating coupler incorporating reflective optical elements and anti-reflection elements | GUNN, LAWRENCE C. |
| <u>10776475</u> | Not Issued | 41 | 02/10/2004 | Optical waveguide grating coupler  | GUNN, LAWRENCE C. |
| <u>10777702</u> | Not Issued | 71 | 02/11/2004 | External cavity laser source   | GUNN, LAWRENCE C. |
| <u>10777972</u> | Not Issued | 41 | 02/11/2004 | Multi-wavelength optical processor   | GUNN, LAWRENCE C. |
| <u>10777981</u> | Not Issued | 30 | 02/11/2004 | Systems and methods for a shared laser source usable in a distributed array                              | GUNN, LAWRENCE C. |
| <u>10799040</u> | Not Issued | 71 | 03/11/2004 | Fiber to chip coupler  | GUNN, LAWRENCE C. |
| <u>10803747</u> | Not Issued | 71 | 03/17/2004 | Electronically controllable arrayed waveguide gratings   | GUNN, LAWRENCE C. |
| <u>10820631</u> | Not Issued | 41 | 04/07/2004 | Wafer-level testing of optical and optoelectronic chips  | GUNN, LAWRENCE C. |
| <u>10916839</u> | Not Issued | 30 | 08/11/2004 | PN diode optical modulators fabricated in strip loaded waveguides  | GUNN, LAWRENCE C. |
| <u>10916857</u> | Not Issued | 93 | 08/11/2004 | DOPING PROFILES IN PN DIODE OPTICAL MODULATORS   | GUNN, LAWRENCE C. |
| <u>10917204</u> | Not Issued | 41 | 08/11/2004 | PN diode optical modulators fabricated in rib waveguides   | GUNN, LAWRENCE C. |
| <u>10917430</u> | Not Issued | 30 | 08/11/2004 | PN diode optical modulators with variegated PN junctions   | GUNN, LAWRENCE C. |
| <u>10917927</u> | Not Issued | 94 | 08/13/2004 | DISTRIBUTED AMPLIFIER OPTICAL MODULATORS   | GUNN, LAWRENCE C. |
| <u>11015957</u> | Not Issued | 71 | 12/17/2004 | Optical alignment loops for the wafer-level testing of optical and optoelectronic chips                  | GUNN, LAWRENCE C. |
| <u>11015981</u> | Not Issued | 41 | 12/17/2004 | Optical probes with spacing sensors for the wafer level testing of optical and optoelectronic chips      | GUNN, LAWRENCE C. |
| <u>11016497</u> | Not Issued | 94 | 12/17/2004 | LITTROW GRATINGS AS ALIGNMENT STRUCTURES FOR THE WAFER LEVEL TESTING OF OPTICAL AND OPTOELECTRONIC CHIPS | GUNN, LAWRENCE C. |

|                                 |            |    |            |   |                   |
|---------------------------------|------------|----|------------|---|-------------------|
| <a href="#"><u>11064035</u></a> | Not Issued | 30 | 02/22/2005 | Germanium integrated CMOS wafer and method for manufacturing the same                               | GUNN, LAWRENCE C. |
| <a href="#"><u>11083705</u></a> | Not Issued | 30 | 03/16/2005 | Optoelectronic alignment structures for the wafer level testing of optical and optoelectronic chips | GUNN, LAWRENCE C. |
| <a href="#"><u>11100966</u></a> | Not Issued | 41 | 04/07/2005 | Modulator based on tunable resonant cavity  | GUNN, LAWRENCE C. |
| <a href="#"><u>11146940</u></a> | Not Issued | 41 | 06/07/2005 | Segmented waveguide structures  | GUNN, LAWRENCE C. |
| <a href="#"><u>11177002</u></a> | Not Issued | 30 | 07/07/2005 | CMOS process silicon strip loaded waveguides on five layer substrates                               | GUNN, LAWRENCE C. |
| <a href="#"><u>11177132</u></a> | Not Issued | 30 | 07/07/2005 | Germanium silicon heterostructure photodetectors  | GUNN, LAWRENCE C. |

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Last Name = GUNN

First Name = LAWRENCE

| Application#                    | Patent#    | Status | Date Filed | Title  | Inventor Name     |
|---------------------------------|------------|--------|------------|--|-------------------|
| <a href="#"><u>11177133</u></a> | Not Issued | 25     | 07/07/2005 | Germanium integration  | GUNN, LAWRENCE C. |
| <a href="#"><u>11177169</u></a> | Not Issued | 41     | 07/07/2005 | CMOS process polysilicon strip loaded waveguides with a two layer core                           | GUNN, LAWRENCE C. |
| <a href="#"><u>11177191</u></a> | Not Issued | 30     | 07/07/2005 | Integrated avalanche photodetector   | GUNN, LAWRENCE C. |
| <a href="#"><u>11177765</u></a> | Not Issued | 41     | 07/07/2005 | CMOS process polysilicon strip loaded waveguides with a three layer core                         | GUNN, LAWRENCE C. |
| <a href="#"><u>11182134</u></a> | Not Issued | 77     | 07/15/2005 | Light scattering structures formed in upper layer of strip loaded waveguides                     | GUNN, LAWRENCE C. |
| <a href="#"><u>11182153</u></a> | Not Issued | 93     | 07/15/2005 | LIGHT SCATTERING STRUCTURES FORMED IN UPPER LAYERS OF STRIP LOADED WAVEGUIDES                    | GUNN, LAWRENCE C. |
| <a href="#"><u>11182165</u></a> | Not Issued | 90     | 07/15/2005 | LIGHT SCATTERING STRUCTURES FORMED IN SILICON STRIP LOADED WAVEGUIDES                            | GUNN, LAWRENCE C. |
| <a href="#"><u>11182217</u></a> | Not Issued | 90     | 07/14/2005 | POLYSILICON LIGHT SCATTERERS FOR SILICON WAVEGUIDES  | GUNN, LAWRENCE C. |
| <a href="#"><u>11182262</u></a> | 6993236    | 150    | 07/14/2005 | POLYSILICON AND SILICON DIOXIDE LIGHT SCATTERERS FOR SILICON WAVEGUIDES ON FIVE LAYER SUBSTRATES | GUNN, LAWRENCE C. |
| <a href="#"><u>11182662</u></a> | Not Issued | 93     | 07/14/2005 | POLYSILICON LIGHT SCATTERERS FOR SILICON WAVEGUIDES ON FIVE LAYER SUBSTRATES                     | GUNN, LAWRENCE C. |
| <a href="#"><u>11183003</u></a> | Not        | 77     | 07/14/2005 | Polysilicon and silicon dioxide  | GUNN, LAWRENCE    |

|                                 |            |    |            |  |                   |
|---------------------------------|------------|----|------------|--|-------------------|
|                                 | Issued     |    |            | light scatterers for silicon waveguides  | C.                |
| <a href="#"><u>11183031</u></a> | Not Issued | 77 | 07/15/2005 | Light scattering structures formed in lower layer of strip loaded waveguides                             | GUNN, LAWRENCE C. |
| <a href="#"><u>11183035</u></a> | Not Issued | 77 | 07/15/2005 | Light scattering structures formed in lower layers of strip loaded waveguides                            | GUNN, LAWRENCE C. |
| <a href="#"><u>11183064</u></a> | Not Issued | 25 | 07/15/2005 | Light scattering structures formed in silicon waveguides   | GUNN, LAWRENCE C. |
| <a href="#"><u>11195357</u></a> | Not Issued | 19 | 08/02/2005 | Flip-chip devices formed on photonic integrated circuit chips  | GUNN, LAWRENCE C. |
| <a href="#"><u>11212858</u></a> | Not Issued | 30 | 08/26/2005 | Use of waveguide grating couplers in an optical mux/demux system   | GUNN, LAWRENCE C. |
| <a href="#"><u>11214704</u></a> | Not Issued | 30 | 08/29/2005 | CMOS process active waveguides on five layer substrates  | GUNN, LAWRENCE C. |
| <a href="#"><u>11215239</u></a> | Not Issued | 61 | 08/30/2005 | Polarization splitting grating couplers  | GUNN, LAWRENCE C. |
| <a href="#"><u>11215459</u></a> | Not Issued | 77 | 08/29/2005 | CMOS process active waveguides   | GUNN, LAWRENCE C. |
| <a href="#"><u>11215511</u></a> | Not Issued | 77 | 08/29/2005 | CMOS process waveguide coupler   | GUNN, LAWRENCE C. |
| <a href="#"><u>11260560</u></a> | Not Issued | 93 | 10/26/2005 | POLARIZATION SPLITTING GRATING COUPLERS  | GUNN, LAWRENCE C. |
| <a href="#"><u>11270681</u></a> | Not Issued | 20 | 11/08/2005 | Integrated photonic-electronic circuits and systems  | GUNN, LAWRENCE C. |
| <a href="#"><u>11270682</u></a> | Not Issued | 93 | 11/08/2005 | ACTIVE WAVEGUIDES FOR OPTOELECTRONIC DEVICES   | GUNN, LAWRENCE C. |
| <a href="#"><u>11270785</u></a> | Not Issued | 93 | 11/08/2005 | ACTIVE WAVEGUIDES FOR OPTOELECTRONIC DEVICES   | GUNN, LAWRENCE C. |
| <a href="#"><u>11273753</u></a> | Not Issued | 30 | 11/14/2005 | Wafer-level testing of optical and optoelectronic chips  | GUNN, LAWRENCE C. |
| <a href="#"><u>11273903</u></a> | Not Issued | 30 | 11/14/2005 | Wafer-level testing of optical and optoelectronic chips  | GUNN, LAWRENCE C. |
| <a href="#"><u>11281776</u></a> | Not Issued | 41 | 11/16/2005 | Optical waveguide grating coupler incorporating reflective optical elements and anti-reflection elements | GUNN, LAWRENCE C. |
| <a href="#"><u>11282048</u></a> | Not Issued | 41 | 11/16/2005 | Optical waveguide grating coupler incorporating reflective optical elements and anti-                    | GUNN, LAWRENCE C. |

|                                 |            |     |            |  |                   |
|---------------------------------|------------|-----|------------|--|-------------------|
|                                 |            |     |            | reflection elements  |                   |
| <a href="#"><u>11296521</u></a> | Not Issued | 30  | 12/06/2005 | Optical waveguide grating coupler with varying scatter cross sections  | GUNN, LAWRENCE C. |
| <a href="#"><u>60327137</u></a> | Not Issued | 159 | 10/04/2001 | High speed optical modulator based on CMOS compatible tunable resonant cavity  | GUNN, LAWRENCE C. |
| <a href="#"><u>60328474</u></a> | Not Issued | 159 | 10/11/2001 | Technique for tuning the index of an optical structure and use of this effect for tuning the coupling                                    | GUNN, LAWRENCE C. |
| <a href="#"><u>60389773</u></a> | Not Issued | 159 | 06/19/2002 | In-plane waveguide grating spectrograph  | GUNN, LAWRENCE C. |
| <a href="#"><u>60389845</u></a> | Not Issued | 159 | 06/19/2002 | Matched pair of optical paths as a means of handling random optical polarization   | GUNN, LAWRENCE C. |
| <a href="#"><u>60389849</u></a> | Not Issued | 159 | 06/19/2002 | Polarization rotator   | GUNN, LAWRENCE C. |
| <a href="#"><u>60389961</u></a> | Not Issued | 159 | 06/19/2002 | Active optical components aligned to a grating coupler array   | GUNN, LAWRENCE C. |
| <a href="#"><u>60389962</u></a> | Not Issued | 159 | 06/19/2002 | Photodetector on a photonic integrated circuit   | GUNN, LAWRENCE C. |
| <a href="#"><u>60389963</u></a> | Not Issued | 159 | 06/19/2002 | Anti-reflection feature for an integrated optical lens   | GUNN, LAWRENCE C. |
| <a href="#"><u>60389964</u></a> | Not Issued | 159 | 06/19/2002 | Arrayed waveguide grating with reduced sensitivity to variation in film thickness  | GUNN, LAWRENCE C. |
| <a href="#"><u>60390047</u></a> | Not Issued | 159 | 06/19/2002 | Grating coupler on an arrayed wave guide   | GUNN, LAWRENCE C. |
| <a href="#"><u>60390048</u></a> | Not Issued | 159 | 06/19/2002 | Switched reflecting modulator with detector  | GUNN, LAWRENCE C. |
| <a href="#"><u>60391277</u></a> | Not Issued | 159 | 06/24/2002 | Poly-germanium added to CMOS process flow after salicidation of poly-silicon and crystalline silicon and prior to low temperature metals | GUNN, LAWRENCE C. |
| <a href="#"><u>60391278</u></a> | Not Issued | 159 | 06/24/2002 | Use of dielectric isolation layers in a CMOS process as an optical structure   | GUNN, LAWRENCE C. |
| <a href="#"><u>60391279</u></a> | Not Issued | 159 | 06/24/2002 | Structure to be used as a sacrificial element for removal of dielectric insulation from the surface of a substrate                       | GUNN, LAWRENCE C. |
| <a href="#"><u>60393484</u></a> | Not Issued | 159 | 07/03/2002 | Surfactant action and electrical compensation for improved   | GUNN, LAWRENCE C. |

|                                 |            |     |            |   |                   |
|---------------------------------|------------|-----|------------|---|-------------------|
|                                 |            |     |            | quality poly-Ge photodiodes   |                   |
| <a href="#"><u>60393485</u></a> | Not Issued | 159 | 07/03/2002 | Fabrication of optical waveguides in the CMOS SOI process   | GUNN, LAWRENCE C. |
| <a href="#"><u>60393489</u></a> | Not Issued | 159 | 07/03/2002 | Waveguide sidewall surface passivation  | GUNN, LAWRENCE C. |
| <a href="#"><u>60393490</u></a> | Not Issued | 159 | 07/03/2002 | Use of silicon oxynitride or polysilicon layer as a complementary optical layer on top of SOI based integrated optics | GUNN, LAWRENCE C. |
| <a href="#"><u>60393682</u></a> | Not Issued | 159 | 07/03/2002 | Method for fabricating devices with sub-lithographic features in a standard CMOS process                              | GUNN, LAWRENCE C. |
| <a href="#"><u>60393683</u></a> | Not Issued | 159 | 07/03/2002 | Use of poly-silicon layer as an optical layer in an optical device fabricated in a CMOS process                       | GUNN, LAWRENCE C. |
| <a href="#"><u>60398813</u></a> | Not Issued | 159 | 07/25/2002 | Devices for optical buffer applications   | GUNN, LAWRENCE C. |

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**Inventor Name Search Result**

Your Search was:

Last Name = GUNN

First Name = LAWRENCE

| Application#                    | Patent#    | Status | Date Filed | Title  | Inventor Name     |
|---------------------------------|------------|--------|------------|--|-------------------|
| <a href="#"><u>60406156</u></a> | Not Issued | 159    | 08/27/2002 | Optical modulator constructed with two-layer single-crystal silicon waveguide  | GUNN, LAWRENCE C. |
| <a href="#"><u>60446843</u></a> | Not Issued | 159    | 02/11/2003 | Multi-wavelength optical processor   | GUNN, LAWRENCE C. |
| <a href="#"><u>60446844</u></a> | Not Issued | 159    | 02/11/2003 | Optical waveguide incorporating an optical cavity optical waveguide grating coupler with undercut  | GUNN, LAWRENCE C. |
| <a href="#"><u>60446845</u></a> | Not Issued | 159    | 02/11/2003 | Multi-element asymmetric waveguide for manipulating optical confinement  | GUNN, LAWRENCE C. |
| <a href="#"><u>60446846</u></a> | Not Issued | 160    | 01/01/0001 | External cavity laser source   | GUNN, LAWRENCE C. |
| <a href="#"><u>60446847</u></a> | Not Issued | 159    | 02/11/2003 | Systems and methods for a shared laser source usable in a distributed array  | GUNN, LAWRENCE C. |
| <a href="#"><u>60465886</u></a> | Not Issued | 159    | 04/24/2003 | Multi-wavelength optical processor   | GUNN, LAWRENCE C. |
| <a href="#"><u>60465922</u></a> | Not Issued | 159    | 04/24/2003 | External cavity laser source   | GUNN, LAWRENCE C. |
| <a href="#"><u>60475143</u></a> | Not Issued | 159    | 06/02/2003 | Systems and methods for a shared laser source usable in a distributed array  | GUNN, LAWRENCE C. |
| <a href="#"><u>60668531</u></a> | Not Issued | 20     | 04/04/2005 | 10 Gigabit per second silicon optical modulators integrated alongside transistors in a high-volume, fine-linewidth CMOS production process | GUNN, LAWRENCE C. |
| <a href="#"><u>10241284</u></a> | 6834152    | 150    | 09/09/2002 | STRIP LOADED WAVEGUIDE WITH LOW-INDEX TRANSITION LAYER   | GUNN, LAWRENCE    |

|                 |            |     |            |   |                     |
|-----------------|------------|-----|------------|---|---------------------|
|                 |            |     |            |   | CARY                |
| <u>10241285</u> | 6990257    | 150 | 09/09/2002 | ELECTRONICALLY BIASED STRIP LOADED WAVEGUIDE  | GUNN, LAWRENCE CARY |
| <u>10242136</u> | 6917727    | 150 | 09/09/2002 | STRIP LOADED WAVEGUIDE INTEGRATED WITH ELECTRONICS COMPONENTS                         | GUNN, LAWRENCE CARY |
| <u>10242314</u> | 6839488    | 150 | 09/10/2002 | TUNABLE RESONANT CAVITY BASED ON THE FIELD EFFECT IN SEMICONDUCTORS                   | GUNN, LAWRENCE CARY |
| <u>10242318</u> | Not Issued | 41  | 09/10/2002 | Tuning the index of a waveguide structure   | GUNN, LAWRENCE CARY |
| <u>10242682</u> | Not Issued | 71  | 09/10/2002 | Structure and method for coupling light between dissimilar waveguides                 | GUNN, LAWRENCE CARY |
| <u>10839318</u> | Not Issued | 71  | 05/05/2004 | Tuning the index of a waveguide structure   | GUNN, LAWRENCE CARY |
| <u>10982291</u> | Not Issued | 61  | 11/05/2004 | Tunable resonant cavity based on the field effect in semiconductors                   | GUNN, LAWRENCE CARY |
| <u>10985693</u> | Not Issued | 61  | 11/11/2004 | Strip loaded waveguide with low-index transition layer                                | GUNN, LAWRENCE CARY |
| <u>10988963</u> | Not Issued | 89  | 11/15/2004 | Method of integrating optical devices and electronic devices on an integrated circuit | GUNN, LAWRENCE CARY |
| <u>10989937</u> | Not Issued | 30  | 11/15/2004 | Method of forming a semiconductor device  | GUNN, LAWRENCE CARY |
| <u>10989947</u> | Not Issued | 30  | 11/15/2004 | Method of forming a semiconductor device  | GUNN, LAWRENCE CARY |
| <u>10990215</u> | Not Issued | 30  | 11/15/2004 | Method of forming a semiconductor device  | GUNN, LAWRENCE CARY |
| <u>11035945</u> | Not Issued | 161 | 01/14/2005 | Strip loaded waveguide integrated with electronics components                         | GUNN, LAWRENCE CARY |
| <u>11091817</u> | Not Issued | 61  | 03/28/2005 | Electronically biased strip loaded waveguide  | GUNN, LAWRENCE CARY |
| <u>60243356</u> | Not Issued | 159 | 10/26/2000 | Real time radio and television ratings  | GUNN, LAWRENCE      |

|                 |            |     |            |  |                     |
|-----------------|------------|-----|------------|--|---------------------|
|                 |            |     |            |  | CARY                |
| <u>60318446</u> | Not Issued | 159 | 09/10/2001 | Transition from photonic crystal to ridge waveguide  | GUNN, LAWRENCE CARY |
| <u>60318456</u> | Not Issued | 159 | 09/10/2001 | Strip loaded waveguide with low index transition layer   | GUNN, LAWRENCE CARY |
| <u>60318486</u> | Not Issued | 159 | 09/10/2001 | Tunable resonant cavity based on the field effect in semiconductors  | GUNN, LAWRENCE CARY |
| <u>60576858</u> | Not Issued | 159 | 06/03/2004 | Inline waveguide photodetector using a silicon transistor that functions simultaneously as waveguide photodetector and optical waveguide                 | GUNN, LAWRENCE CARY |
| <u>60592413</u> | Not Issued | 159 | 07/30/2004 | Wavelength stabilized fabry perot laser  | GUNN, LAWRENCE CARY |
| <u>60604797</u> | Not Issued | 159 | 08/26/2004 | Use of grating couplers as demux in multi-mode fiber   | GUNN, LAWRENCE CARY |
| <u>60617099</u> | Not Issued | 159 | 10/07/2004 | Optical monitoring of surface properties for electronics properties optimization   | GUNN, LAWRENCE CARY |
| <u>60627851</u> | Not Issued | 159 | 11/15/2004 | CMOS device design   | GUNN, LAWRENCE CARY |
| <u>60634843</u> | Not Issued | 159 | 12/09/2004 | Non-destructive wafer scale characterization   | GUNN, LAWRENCE CARY |
| <u>60645808</u> | Not Issued | 159 | 01/21/2005 | Process for integration of germanium into a CMOS fabrication process   | GUNN, LAWRENCE CARY |
| <u>60729085</u> | Not Issued | 20  | 10/21/2005 | Non-linear resonant optical switching device   | GUNN, LAWRENCE CARY |
| <u>60151331</u> | Not Issued | 159 | 08/30/1999 | ACTIVE CLADDING BASED OPTICAL RESONATORS FOR OPTICAL FILTERING, SWITCHING AMPLIFICATION, AND ULTRA-DENSE WAVELENGTH DIVISION MULTIPLEXING/DEMULTIPLEXING | GUNN, LAWRENCE CARY |
| <u>06493011</u> | 4579714    | 150 | 05/09/1983 | METHOD FOR FUMIGATING BULK-STORED COMMODITIES  | GUNN, LAWRENCE H.   |

|          |         |     |            |  |                         |
|----------|---------|-----|------------|--|-------------------------|
| 06823023 | 4641573 | 150 | 01/27/1986 | APPARATUS FOR FUMIGATING<br>BULK-STORED COMMODITES | GUNN,<br>LAWRENCE<br>H. |
| 07207459 | 5055277 | 150 | 06/16/1988 | FUMIGATING APPARATUS FOR<br>SHIPPING CONTAINERS    | GUNN,<br>LAWRENCE<br>H. |

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**Inventor Name Search Result**

Your Search was:

Last Name = PINGUET

First Name = THIERRY

| Application#                    | Patent#                        | Status | Date Filed | Title  | Inventor Name          |
|---------------------------------|--------------------------------|--------|------------|--|------------------------|
| <a href="#"><u>60454870</u></a> | Not Issued                     | 159    | 03/14/2003 | Angled-tip fiber and diffraction grating forming a fiber-to-chip coupler   | PINGUET,<br>THIERRY    |
| <a href="#"><u>60455910</u></a> | Not Issued                     | 159    | 03/18/2003 | Method for fabricating self-correcting, adaptive, or tunable arrayed waveguide grating   | PINGUET,<br>THIERRY    |
| <a href="#"><u>60456381</u></a> | Not Issued                     | 159    | 03/21/2003 | Polarization-splitting waveguide grating coupler   | PINGUET,<br>THIERRY    |
| <a href="#"><u>60461041</u></a> | Not Issued                     | 159    | 04/07/2003 | Reflective structures for fiber positioning and alignment on an integrated optical circuit with surface emitting/receiving optical devices | PINGUET,<br>THIERRY    |
| <a href="#"><u>60576858</u></a> | Not Issued                     | 159    | 06/03/2004 | Inline waveguide photodetector using a silicon transistor that functions simultaneously as waveguide photodetector and optical waveguide   | PINGUET,<br>THIERRY    |
| <a href="#"><u>60627851</u></a> | Not Issued                     | 159    | 11/15/2004 | CMOS device design   | PINGUET,<br>THIERRY    |
| <a href="#"><u>60634843</u></a> | Not Issued                     | 159    | 12/09/2004 | Non-destructive wafer scale characterization   | PINGUET,<br>THIERRY    |
| <a href="#"><u>60729085</u></a> | Not Issued                     | 20     | 10/21/2005 | Non-linear resonant optical switching device   | PINGUET,<br>THIERRY    |
| <a href="#"><u>10458165</u></a> | <a href="#"><u>6887773</u></a> | 150    | 06/10/2003 | METHODS OF INCORPORATING GERMANIUM WITHIN CMOS PROCESS   | PINGUET,<br>THIERRY J. |
| <a href="#"><u>10600563</u></a> | Not Issued                     | 71     | 06/19/2003 | Waveguide photodetector with integrated electronics  | PINGUET,<br>THIERRY J. |
| <a href="#"><u>10600804</u></a> | Not Issued                     | 94     | 06/19/2003 | INTEGRATED DUAL WAVEGUIDES   | PINGUET,<br>THIERRY J. |
| <a href="#"><u>10601147</u></a> | Not                            | 41     | 06/19/2003 | Array of active optical  | PINGUET,               |

|                 |            |     |            |  |                     |
|-----------------|------------|-----|------------|--|---------------------|
|                 | Issued     |     |            | components aligned to an array of grating couplers   | THIERRY J.          |
| <u>10603377</u> | Not Issued | 160 | 06/24/2003 | Removal of material from the surface of a substrate  | PINGUET, THIERRY J. |
| <u>10606297</u> | Not Issued | 95  | 06/24/2003 | CMOS PROCESS SILICON WAVEGUIDES  | PINGUET, THIERRY J. |
| <u>10650234</u> | 6999670    | 150 | 08/27/2003 | ACTIVE WAVEGUIDES FOR OPTOELECTRONIC DEVICES   | PINGUET, THIERRY J. |
| <u>10734374</u> | Not Issued | 95  | 12/12/2003 | POLARIZATION SPLITTING GRATING COUPPLERS   | PINGUET, THIERRY J. |
| <u>10776146</u> | Not Issued | 71  | 02/10/2004 | Optical waveguide grating coupler with varying scatter cross sections                                    | PINGUET, THIERRY J. |
| <u>10776438</u> | Not Issued | 41  | 02/10/2004 | Optical waveguide grating coupler incorporating reflective optical elements and anti-reflection elements | PINGUET, THIERRY J. |
| <u>10776475</u> | Not Issued | 41  | 02/10/2004 | Optical waveguide grating coupler  | PINGUET, THIERRY J. |
| <u>10777702</u> | Not Issued | 71  | 02/11/2004 | External cavity laser source   | PINGUET, THIERRY J. |
| <u>10777972</u> | Not Issued | 41  | 02/11/2004 | Multi-wavelength optical processor   | PINGUET, THIERRY J. |
| <u>10777981</u> | Not Issued | 30  | 02/11/2004 | Systems and methods for a shared laser source usable in a distributed array                              | PINGUET, THIERRY J. |
| <u>10799040</u> | Not Issued | 71  | 03/11/2004 | Fiber to chip coupler  | PINGUET, THIERRY J. |
| <u>10803747</u> | Not Issued | 71  | 03/17/2004 | Electronically controllable arrayed waveguide gratings   | PINGUET, THIERRY J. |
| <u>10820631</u> | Not Issued | 41  | 04/07/2004 | Wafer-level testing of optical and optoelectronic chips  | PINGUET, THIERRY J. |
| <u>10916839</u> | Not Issued | 30  | 08/11/2004 | PN diode optical modulators fabricated in strip loaded waveguides  | PINGUET, THIERRY J. |
| <u>10916857</u> | Not Issued | 93  | 08/11/2004 | DOPING PROFILES IN PN DIODE OPTICAL MODULATORS   | PINGUET, THIERRY J. |
| <u>10917204</u> | Not Issued | 41  | 08/11/2004 | PN diode optical modulators fabricated in rib waveguides   | PINGUET, THIERRY J. |
| <u>10917430</u> | Not Issued | 30  | 08/11/2004 | PN diode optical modulators with variegated PN junctions   | PINGUET, THIERRY J. |
| <u>10917927</u> | Not Issued | 94  | 08/13/2004 | DISTRIBUTED AMPLIFIER OPTICAL MODULATORS   | PINGUET, THIERRY J. |

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|-----------------|------------|-----|------------|--|---------------------|
| <u>11177002</u> | Not Issued | 30  | 07/07/2005 | CMOS process silicon strip loaded waveguides on five layer substrates                            | PINGUET, THIERRY J. |
| <u>11177169</u> | Not Issued | 41  | 07/07/2005 | CMOS process polysilicon strip loaded waveguides with a two layer core                           | PINGUET, THIERRY J. |
| <u>11177765</u> | Not Issued | 41  | 07/07/2005 | CMOS process polysilicon strip loaded waveguides with a three layer core                         | PINGUET, THIERRY J. |
| <u>11182134</u> | Not Issued | 77  | 07/15/2005 | Light scattering structures formed in upper layer of strip loaded waveguides                     | PINGUET, THIERRY J. |
| <u>11182153</u> | Not Issued | 93  | 07/15/2005 | LIGHT SCATTERING STRUCTURES FORMED IN UPPER LAYERS OF STRIP LOADED WAVEGUIDES                    | PINGUET, THIERRY J. |
| <u>11182165</u> | Not Issued | 90  | 07/15/2005 | LIGHT SCATTERING STRUCTURES FORMED IN SILICON STRIP LOADED WAVEGUIDES                            | PINGUET, THIERRY J. |
| <u>11182217</u> | Not Issued | 90  | 07/14/2005 | POLYSILICON LIGHT SCATTERERS FOR SILICON WAVEGUIDES  | PINGUET, THIERRY J. |
| <u>11182262</u> | 6993236    | 150 | 07/14/2005 | POLYSILICON AND SILICON DIOXIDE LIGHT SCATTERERS FOR SILICON WAVEGUIDES ON FIVE LAYER SUBSTRATES | PINGUET, THIERRY J. |
| <u>11182662</u> | Not Issued | 93  | 07/14/2005 | POLYSILICON LIGHT SCATTERERS FOR SILICON WAVEGUIDES ON FIVE LAYER SUBSTRATES                     | PINGUET, THIERRY J. |
| <u>11183003</u> | Not Issued | 77  | 07/14/2005 | Polysilicon and silicon dioxide light scatterers for silicon waveguides                          | PINGUET, THIERRY J. |
| <u>11183031</u> | Not Issued | 77  | 07/15/2005 | Light scattering structures formed in lower layer of strip loaded waveguides                     | PINGUET, THIERRY J. |
| <u>11183035</u> | Not Issued | 77  | 07/15/2005 | Light scattering structures formed in lower layers of strip loaded waveguides                    | PINGUET, THIERRY J. |
| <u>11183064</u> | Not Issued | 25  | 07/15/2005 | Light scattering structures formed in silicon waveguides   | PINGUET, THIERRY J. |
| <u>11195357</u> | Not Issued | 19  | 08/02/2005 | Flip-chip devices formed on photonic integrated circuit chips                                    | PINGUET, THIERRY J. |

|                                 |            |    |            |  |                     |
|---------------------------------|------------|----|------------|--|---------------------|
| <a href="#"><u>11214704</u></a> | Not Issued | 30 | 08/29/2005 | CMOS process active waveguides on five layer substrates  | PINGUET, THIERRY J. |
| <a href="#"><u>11215239</u></a> | Not Issued | 61 | 08/30/2005 | Polarization splitting grating couplers                  | PINGUET, THIERRY J. |
| <a href="#"><u>11215459</u></a> | Not Issued | 77 | 08/29/2005 | CMOS process active waveguides                           | PINGUET, THIERRY J. |
| <a href="#"><u>11215511</u></a> | Not Issued | 77 | 08/29/2005 | CMOS process waveguide coupler                           | PINGUET, THIERRY J. |
| <a href="#"><u>11215625</u></a> | Not Issued | 20 | 08/29/2005 | Designing a stack for optoelectronic integrated circuits | PINGUET, THIERRY J. |
| <a href="#"><u>11260560</u></a> | Not Issued | 93 | 10/26/2005 | POLARIZATION SPLITTING GRATING COUPLERS                  | PINGUET, THIERRY J. |

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Last Name = PINGUET

First Name = THIERRY

| Application#                    | Patent#    | Status | Date Filed | Title  | Inventor Name          |
|---------------------------------|------------|--------|------------|--|------------------------|
| <a href="#"><u>11270682</u></a> | Not Issued | 93     | 11/08/2005 | ACTIVE WAVEGUIDES FOR OPTOELECTRONIC DEVICES   | PINGUET,<br>THIERRY J. |
| <a href="#"><u>11270785</u></a> | Not Issued | 93     | 11/08/2005 | ACTIVE WAVEGUIDES FOR OPTOELECTRONIC DEVICES   | PINGUET,<br>THIERRY J. |
| <a href="#"><u>11273753</u></a> | Not Issued | 30     | 11/14/2005 | Wafer-level testing of optical and optoelectronic chips  | PINGUET,<br>THIERRY J. |
| <a href="#"><u>11273903</u></a> | Not Issued | 30     | 11/14/2005 | Wafer-level testing of optical and optoelectronic chips  | PINGUET,<br>THIERRY J. |
| <a href="#"><u>11281776</u></a> | Not Issued | 41     | 11/16/2005 | Optical waveguide grating coupler incorporating reflective optical elements and anti-reflection elements | PINGUET,<br>THIERRY J. |
| <a href="#"><u>11282048</u></a> | Not Issued | 41     | 11/16/2005 | Optical waveguide grating coupler incorporating reflective optical elements and anti-reflection elements | PINGUET,<br>THIERRY J. |
| <a href="#"><u>11296521</u></a> | Not Issued | 30     | 12/06/2005 | Optical waveguide grating coupler with varying scatter cross sections                                    | PINGUET,<br>THIERRY J. |
| <a href="#"><u>60389773</u></a> | Not Issued | 159    | 06/19/2002 | In-plane waveguide grating spectrograph  | PINGUET,<br>THIERRY J. |
| <a href="#"><u>60389845</u></a> | Not Issued | 159    | 06/19/2002 | Matched pair of optical paths as a means of handling random optical polarization                         | PINGUET,<br>THIERRY J. |
| <a href="#"><u>60389849</u></a> | Not Issued | 159    | 06/19/2002 | Polarization rotator   | PINGUET,<br>THIERRY J. |
| <a href="#"><u>60389961</u></a> | Not Issued | 159    | 06/19/2002 | Active optical components aligned to a grating coupler array   | PINGUET,<br>THIERRY J. |
| <a href="#"><u>60389962</u></a> | Not Issued | 159    | 06/19/2002 | Photodetector on a photonic integrated circuit   | PINGUET,<br>THIERRY J. |
| <a href="#"><u>60389963</u></a> | Not Issued | 159    | 06/19/2002 | Anti-reflection feature for an integrated optical lens   | PINGUET,<br>THIERRY J. |
| <a href="#"><u>60389964</u></a> | Not        | 159    | 06/19/2002 | Arrayed waveguide grating with   | PINGUET,               |

|                                 |            |     |            |  |                     |
|---------------------------------|------------|-----|------------|--|---------------------|
|                                 | Issued     |     |            | reduced sensitivity to variation in film thickness   | THIERRY J.          |
| <a href="#"><u>60390047</u></a> | Not Issued | 159 | 06/19/2002 | Grating coupler on an arrayed wave guide   | PINGUET, THIERRY J. |
| <a href="#"><u>60390048</u></a> | Not Issued | 159 | 06/19/2002 | Switched reflecting modulator with detector  | PINGUET, THIERRY J. |
| <a href="#"><u>60391277</u></a> | Not Issued | 159 | 06/24/2002 | Poly-germanium added to CMOS process flow after salicidation of poly-silicon and crystalline silicon and prior to low temperature metals | PINGUET, THIERRY J. |
| <a href="#"><u>60391278</u></a> | Not Issued | 159 | 06/24/2002 | Use of dielectric isolation layers in a CMOS process as an optical structure   | PINGUET, THIERRY J. |
| <a href="#"><u>60391279</u></a> | Not Issued | 159 | 06/24/2002 | Structure to be used as a sacrificial element for removal of dielectric insulation from the surface of a substrate                       | PINGUET, THIERRY J. |
| <a href="#"><u>60393484</u></a> | Not Issued | 159 | 07/03/2002 | Surfactant action and electrical compensation for improved quality poly-Ge photodiodes   | PINGUET, THIERRY J. |
| <a href="#"><u>60393485</u></a> | Not Issued | 159 | 07/03/2002 | Fabrication of optical waveguides in the CMOS SOI process  | PINGUET, THIERRY J. |
| <a href="#"><u>60393489</u></a> | Not Issued | 159 | 07/03/2002 | Waveguide sidewall surface passivation   | PINGUET, THIERRY J. |
| <a href="#"><u>60393490</u></a> | Not Issued | 159 | 07/03/2002 | Use of silicon oxynitride or polysilicon layer as a complementary optical layer on top of SOI based integrated optics                    | PINGUET, THIERRY J. |
| <a href="#"><u>60393682</u></a> | Not Issued | 159 | 07/03/2002 | Method for fabricating devices with sub-lithographic features in a standard CMOS process   | PINGUET, THIERRY J. |
| <a href="#"><u>60393683</u></a> | Not Issued | 159 | 07/03/2002 | Use of poly-silicon layer as an optical layer in an optical device fabricated in a CMOS process  | PINGUET, THIERRY J. |
| <a href="#"><u>60406156</u></a> | Not Issued | 159 | 08/27/2002 | Optical modulator constructed with two-layer single-crystal silicon waveguide  | PINGUET, THIERRY J. |
| <a href="#"><u>60446842</u></a> | Not Issued | 159 | 02/11/2003 | Optical waveguide grating coupler  | PINGUET, THIERRY J. |
| <a href="#"><u>60446843</u></a> | Not Issued | 159 | 02/11/2003 | Multi-wavelength optical processor   | PINGUET, THIERRY J. |
| <a href="#"><u>60446844</u></a> | Not Issued | 159 | 02/11/2003 | Optical waveguide incorporating an optical cavity optical waveguide grating coupler with undercut  | PINGUET, THIERRY J. |

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| <a href="#"><u>60446845</u></a> | Not Issued | 159 | 02/11/2003 | Multi-element asymmetric waveguide for manipulating optical confinement  | PINGUET, THIERRY J. |
| <a href="#"><u>60446846</u></a> | Not Issued | 160 | 01/01/0001 | External cavity laser source   | PINGUET, THIERRY J. |
| <a href="#"><u>60446847</u></a> | Not Issued | 159 | 02/11/2003 | Systems and methods for a shared laser source usable in a distributed array  | PINGUET, THIERRY J. |
| <a href="#"><u>60465886</u></a> | Not Issued | 159 | 04/24/2003 | Multi-wavelength optical processor   | PINGUET, THIERRY J. |
| <a href="#"><u>60465922</u></a> | Not Issued | 159 | 04/24/2003 | External cavity laser source   | PINGUET, THIERRY J. |
| <a href="#"><u>60475143</u></a> | Not Issued | 159 | 06/02/2003 | Systems and methods for a shared laser source usable in a distributed array  | PINGUET, THIERRY J. |
| <a href="#"><u>60668531</u></a> | Not Issued | 20  | 04/04/2005 | 10 Gigabit per second silicon optical modulators integrated alongside transistors in a high-volume, fine-linewidth CMOS production process | PINGUET, THIERRY J. |

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Last Name = RATTIER

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| Application#                    | Patent#                        | Status | Date Filed | Title  | Inventor Name         |
|---------------------------------|--------------------------------|--------|------------|--|-----------------------|
| <a href="#"><u>10689784</u></a> | <a href="#"><u>6987288</u></a> | 150    | 10/21/2003 | ELECTROLUMINESCENT DEVICE WITH LIGHT EXTRACTOR   | RATTIER,<br>MAXIME    |
| <a href="#"><u>60432925</u></a> | Not Issued                     | 159    | 12/12/2002 | Nanophotonic modulators and detectors for chip-to-chip optical interconnects   | RATTIER,<br>MAXIME    |
| <a href="#"><u>60432946</u></a> | Not Issued                     | 159    | 12/12/2002 | Design and a process to produce an integrated photo-detector in standard CMOS processed silicon semiconductor                              | RATTIER,<br>MAXIME    |
| <a href="#"><u>60433470</u></a> | Not Issued                     | 159    | 12/13/2002 | Germanium developement   | RATTIER,<br>MAXIME    |
| <a href="#"><u>60454870</u></a> | Not Issued                     | 159    | 03/14/2003 | Angled-tip fiber and diffraction grating forming a fiber-to-chip coupler   | RATTIER,<br>MAXIME    |
| <a href="#"><u>60455910</u></a> | Not Issued                     | 159    | 03/18/2003 | Method for fabricating self-correcting, adaptive, or tunable arrayed waveguide grating   | RATTIER,<br>MAXIME    |
| <a href="#"><u>60456381</u></a> | Not Issued                     | 159    | 03/21/2003 | Polarization-splitting waveguide grating coupler   | RATTIER,<br>MAXIME    |
| <a href="#"><u>60461041</u></a> | Not Issued                     | 159    | 04/07/2003 | Reflective structures for fiber positioning and alignment on an integrated optical circuit with surface emitting/receiving optical devices | RATTIER,<br>MAXIME    |
| <a href="#"><u>10734374</u></a> | Not Issued                     | 95     | 12/12/2003 | POLARIZATION SPLITTING GRATING COUPLERS  | RATTIER,<br>MAXIME J. |
| <a href="#"><u>10776146</u></a> | Not Issued                     | 71     | 02/10/2004 | Optical waveguide grating coupler with varying scatter cross sections  | RATTIER,<br>MAXIME J. |
| <a href="#"><u>10776438</u></a> | Not Issued                     | 41     | 02/10/2004 | Optical waveguide grating coupler incorporating reflective optical elements and anti-reflection elements                                   | RATTIER,<br>MAXIME J. |

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| <u>10776475</u> | Not Issued | 41  | 02/10/2004 | Optical waveguide grating coupler  | RATTIER, MAXIME J.   |
| <u>10777702</u> | Not Issued | 71  | 02/11/2004 | External cavity laser source   | RATTIER, MAXIME J.   |
| <u>10777972</u> | Not Issued | 41  | 02/11/2004 | Multi-wavelength optical processor   | RATTIER, MAXIME J.   |
| <u>10777981</u> | Not Issued | 30  | 02/11/2004 | Systems and methods for a shared laser source usable in a distributed array                              | RATTIER, MAXIME J.   |
| <u>10799040</u> | Not Issued | 71  | 03/11/2004 | Fiber to chip coupler  | RATTIER, MAXIME J.   |
| <u>10803747</u> | Not Issued | 71  | 03/17/2004 | Electronically controllable arrayed waveguide gratings   | RATTIER, MAXIME J.   |
| <u>10820631</u> | Not Issued | 41  | 04/07/2004 | Wafer-level testing of optical and optoelectronic chips  | RATTIER, MAXIME J.   |
| <u>11215239</u> | Not Issued | 61  | 08/30/2005 | Polarization splitting grating couplers  | RATTIER, MAXIME J.   |
| <u>11260560</u> | Not Issued | 93  | 10/26/2005 | POLARIZATION SPLITTING GRATING COUPLERS  | RATTIER, MAXIME J.   |
| <u>11273753</u> | Not Issued | 30  | 11/14/2005 | Wafer-level testing of optical and optoelectronic chips  | RATTIER, MAXIME J.   |
| <u>11273903</u> | Not Issued | 30  | 11/14/2005 | Wafer-level testing of optical and optoelectronic chips  | RATTIER, MAXIME J.   |
| <u>11282048</u> | Not Issued | 41  | 11/16/2005 | Optical waveguide grating coupler incorporating reflective optical elements and anti-reflection elements | RATTIER, MAXIME J.   |
| <u>11296521</u> | Not Issued | 30  | 12/06/2005 | Optical waveguide grating coupler with varying scatter cross sections                                    | RATTIER, MAXIME J.   |
| <u>10600563</u> | Not Issued | 71  | 06/19/2003 | Waveguide photodetector with integrated electronics  | RATTIER, MAXIME JEAN |
| <u>10600804</u> | Not Issued | 94  | 06/19/2003 | INTEGRATED DUAL WAVEGUIDES   | RATTIER, MAXIME JEAN |
| <u>10601147</u> | Not Issued | 41  | 06/19/2003 | Array of active optical components aligned to an array of grating couplers                               | RATTIER, MAXIME JEAN |
| <u>10603377</u> | Not Issued | 160 | 06/24/2003 | Removal of material from the surface of a substrate  | RATTIER, MAXIME JEAN |
| <u>10606297</u> | Not Issued | 95  | 06/24/2003 | CMOS PROCESS SILICON WAVEGUIDES  | RATTIER, MAXIME JEAN |
| <u>10650234</u> | 6999670    | 150 | 08/27/2003 | ACTIVE WAVEGUIDES FOR OPTOELECTRONIC DEVICES   | RATTIER, MAXIME JEAN |
| <u>11177002</u> | Not Issued | 30  | 07/07/2005 | CMOS process silicon strip loaded waveguides on five layer substrates                                    | RATTIER, MAXIME JEAN |

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| <u>11177169</u> | Not Issued | 41  | 07/07/2005 | CMOS process polysilicon strip loaded waveguides with a two layer core                           | RATTIER, MAXIME JEAN |
| <u>11182134</u> | Not Issued | 77  | 07/15/2005 | Light scattering structures formed in upper layer of strip loaded waveguides                     | RATTIER, MAXIME JEAN |
| <u>11182153</u> | Not Issued | 93  | 07/15/2005 | LIGHT SCATTERING STRUCTURES FORMED IN UPPER LAYERS OF STRIP LOADED WAVEGUIDES                    | RATTIER, MAXIME JEAN |
| <u>11182165</u> | Not Issued | 90  | 07/15/2005 | LIGHT SCATTERING STRUCTURES FORMED IN SILICON STRIP LOADED WAVEGUIDES                            | RATTIER, MAXIME JEAN |
| <u>11182217</u> | Not Issued | 90  | 07/14/2005 | POLYSILICON LIGHT SCATTERERS FOR SILICON WAVEGUIDES  | RATTIER, MAXIME JEAN |
| <u>11182262</u> | 6993236    | 150 | 07/14/2005 | POLYSILICON AND SILICON DIOXIDE LIGHT SCATTERERS FOR SILICON WAVEGUIDES ON FIVE LAYER SUBSTRATES | RATTIER, MAXIME JEAN |
| <u>11182662</u> | Not Issued | 93  | 07/14/2005 | POLYSILICON LIGHT SCATTERERS FOR SILICON WAVEGUIDES ON FIVE LAYER SUBSTRATES                     | RATTIER, MAXIME JEAN |
| <u>11183003</u> | Not Issued | 77  | 07/14/2005 | Polysilicon and silicon dioxide light scatterers for silicon waveguides                          | RATTIER, MAXIME JEAN |
| <u>11183031</u> | Not Issued | 77  | 07/15/2005 | Light scattering structures formed in lower layer of strip loaded waveguides                     | RATTIER, MAXIME JEAN |
| <u>11183035</u> | Not Issued | 77  | 07/15/2005 | Light scattering structures formed in lower layers of strip loaded waveguides                    | RATTIER, MAXIME JEAN |
| <u>11195357</u> | Not Issued | 19  | 08/02/2005 | Flip-chip devices formed on photonic integrated circuit chips                                    | RATTIER, MAXIME JEAN |
| <u>11214704</u> | Not Issued | 30  | 08/29/2005 | CMOS process active waveguides on five layer substrates  | RATTIER, MAXIME JEAN |
| <u>11215459</u> | Not Issued | 77  | 08/29/2005 | CMOS process active waveguides   | RATTIER, MAXIME JEAN |
| <u>11215511</u> | Not Issued | 77  | 08/29/2005 | CMOS process waveguide coupler   | RATTIER, MAXIME JEAN |
| <u>11215625</u> | Not Issued | 20  | 08/29/2005 | Designing a stack for optoelectronic integrated circuits   | RATTIER, MAXIME JEAN |
| <u>11270682</u> | Not Issued | 93  | 11/08/2005 | ACTIVE WAVEGUIDES FOR OPTOELECTRONIC DEVICES   | RATTIER, MAXIME JEAN |

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| <u>11270785</u> | Not Issued | 93  | 11/08/2005 | ACTIVE WAVEGUIDES FOR OPTOELECTRONIC DEVICES   | RATTIER, MAXIME JEAN |
| <u>11281776</u> | Not Issued | 41  | 11/16/2005 | Optical waveguide grating coupler incorporating reflective optical elements and anti-reflection elements | RATTIER, MAXIME JEAN |
| <u>60389773</u> | Not Issued | 159 | 06/19/2002 | In-plane waveguide grating spectrograph  | RATTIER, MAXIME JEAN |

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| Application#             | Patent#    | Status | Date Filed | Title  | Inventor Name           |
|--------------------------|------------|--------|------------|--|-------------------------|
| <a href="#">60389845</a> | Not Issued | 159    | 06/19/2002 | Matched pair of optical paths as a means of handling random optical polarization   | RATTIER,<br>MAXIME JEAN |
| <a href="#">60389849</a> | Not Issued | 159    | 06/19/2002 | Polarization rotator   | RATTIER,<br>MAXIME JEAN |
| <a href="#">60389961</a> | Not Issued | 159    | 06/19/2002 | Active optical components aligned to a grating coupler array   | RATTIER,<br>MAXIME JEAN |
| <a href="#">60389962</a> | Not Issued | 159    | 06/19/2002 | Photodetector on a photonic integrated circuit   | RATTIER,<br>MAXIME JEAN |
| <a href="#">60389963</a> | Not Issued | 159    | 06/19/2002 | Anti-reflection feature for an integrated optical lens   | RATTIER,<br>MAXIME JEAN |
| <a href="#">60389964</a> | Not Issued | 159    | 06/19/2002 | Arrayed waveguide grating with reduced sensitivity to variation in film thickness  | RATTIER,<br>MAXIME JEAN |
| <a href="#">60390047</a> | Not Issued | 159    | 06/19/2002 | Grating coupler on an arrayed wave guide   | RATTIER,<br>MAXIME JEAN |
| <a href="#">60390048</a> | Not Issued | 159    | 06/19/2002 | Switched reflecting modulator with detector  | RATTIER,<br>MAXIME JEAN |
| <a href="#">60391277</a> | Not Issued | 159    | 06/24/2002 | Poly-germanium added to CMOS process flow after salicidation of poly-silicon and crystalline silicon and prior to low temperature metals | RATTIER,<br>MAXIME JEAN |
| <a href="#">60391278</a> | Not Issued | 159    | 06/24/2002 | Use of dielectric isolation layers in a CMOS process as an optical structure   | RATTIER,<br>MAXIME JEAN |
| <a href="#">60391279</a> | Not Issued | 159    | 06/24/2002 | Structure to be used as a sacrificial element for removal of dielectric insulation from the surface of a substrate                       | RATTIER,<br>MAXIME JEAN |
| <a href="#">60393484</a> | Not Issued | 159    | 07/03/2002 | Surfactant action and electrical compensation for improved quality poly-Ge photodiodes   | RATTIER,<br>MAXIME JEAN |

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| <u>60393485</u> | Not Issued | 159 | 07/03/2002 | Fabrication of optical waveguides in the CMOS SOI process   | RATTIER, MAXIME JEAN |
| <u>60393489</u> | Not Issued | 159 | 07/03/2002 | Waveguide sidewall surface passivation  | RATTIER, MAXIME JEAN |
| <u>60393490</u> | Not Issued | 159 | 07/03/2002 | Use of silicon oxynitride or polysilicon layer as a complementary optical layer on top of SOI based integrated optics | RATTIER, MAXIME JEAN |
| <u>60393682</u> | Not Issued | 159 | 07/03/2002 | Method for fabricating devices with sub-lithographic features in a standard CMOS process                              | RATTIER, MAXIME JEAN |
| <u>60393683</u> | Not Issued | 159 | 07/03/2002 | Use of poly-silicon layer as an optical layer in an optical device fabricated in a CMOS process                       | RATTIER, MAXIME JEAN |
| <u>60406156</u> | Not Issued | 159 | 08/27/2002 | Optical modulator constructed with two-layer single-crystal silicon waveguide   | RATTIER, MAXIME JEAN |
| <u>60446842</u> | Not Issued | 159 | 02/11/2003 | Optical waveguide grating coupler   | RATTIER, MAXIME JEAN |
| <u>60446843</u> | Not Issued | 159 | 02/11/2003 | Multi-wavelength optical processor  | RATTIER, MAXIME JEAN |
| <u>60446844</u> | Not Issued | 159 | 02/11/2003 | Optical waveguide incorporating an optical cavity optical waveguide grating coupler with undercut                     | RATTIER, MAXIME JEAN |
| <u>60446845</u> | Not Issued | 159 | 02/11/2003 | Multi-element asymmetric waveguide for manipulating optical confinement   | RATTIER, MAXIME JEAN |
| <u>60446846</u> | Not Issued | 160 | 01/01/0001 | External cavity laser source  | RATTIER, MAXIME JEAN |
| <u>60446847</u> | Not Issued | 159 | 02/11/2003 | Systems and methods for a shared laser source usable in a distributed array   | RATTIER, MAXIME JEAN |
| <u>60465886</u> | Not Issued | 159 | 04/24/2003 | Multi-wavelength optical processor  | RATTIER, MAXIME JEAN |
| <u>60465922</u> | Not Issued | 159 | 04/24/2003 | External cavity laser source  | RATTIER, MAXIME JEAN |
| <u>60475143</u> | Not Issued | 159 | 06/02/2003 | Systems and methods for a shared laser source usable in a distributed array   | RATTIER, MAXIME JEAN |
| <u>10458165</u> | 6887773    | 150 | 06/10/2003 | METHODS OF INCORPORATING GERMANIUM WITHIN CMOS PROCESS  | RATTIER, MAXIME JEAN |

|                 |               |    |            |  |                         |
|-----------------|---------------|----|------------|--|-------------------------|
| <u>11177765</u> | Not<br>Issued | 41 | 07/07/2005 | CMOS process polysilicon strip loaded waveguides with a three layer core | RATTIER,<br>MAXIME JEAN |
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| <a href="#"><u>10734374</u></a> | Not Issued | 95     | 12/12/2003 | POLARIZATION SPLITTING GRATING COUPLERS   | WITZENS, JEREMY |
| <a href="#"><u>10799040</u></a> | Not Issued | 71     | 03/11/2004 | Fiber to chip coupler   | WITZENS, JEREMY |
| <a href="#"><u>10803747</u></a> | Not Issued | 71     | 03/17/2004 | Electronically controllable arrayed waveguide gratings  | WITZENS, JEREMY |
| <a href="#"><u>10820631</u></a> | Not Issued | 41     | 04/07/2004 | Wafer-level testing of optical and optoelectronic chips   | WITZENS, JEREMY |
| <a href="#"><u>11119380</u></a> | Not Issued | 30     | 04/29/2005 | Resonantly enhanced grating coupler   | WITZENS, JEREMY |
| <a href="#"><u>11146940</u></a> | Not Issued | 41     | 06/07/2005 | Segmented waveguide structures  | WITZENS, JEREMY |
| <a href="#"><u>11215239</u></a> | Not Issued | 61     | 08/30/2005 | Polarization splitting grating couplers   | WITZENS, JEREMY |
| <a href="#"><u>11215511</u></a> | Not Issued | 77     | 08/29/2005 | CMOS process waveguide coupler  | WITZENS, JEREMY |
| <a href="#"><u>11260560</u></a> | Not Issued | 93     | 10/26/2005 | POLARIZATION SPLITTING GRATING COUPLERS   | WITZENS, JEREMY |
| <a href="#"><u>11273753</u></a> | Not Issued | 30     | 11/14/2005 | Wafer-level testing of optical and optoelectronic chips   | WITZENS, JEREMY |
| <a href="#"><u>11273903</u></a> | Not Issued | 30     | 11/14/2005 | Wafer-level testing of optical and optoelectronic chips   | WITZENS, JEREMY |
| <a href="#"><u>60393485</u></a> | Not Issued | 159    | 07/03/2002 | Fabrication of optical waveguides in the CMOS SOI process   | WITZENS, JEREMY |
| <a href="#"><u>60393489</u></a> | Not Issued | 159    | 07/03/2002 | Waveguide sidewall surface passivation  | WITZENS, JEREMY |
| <a href="#"><u>60393490</u></a> | Not Issued | 159    | 07/03/2002 | Use of silicon oxynitride or polysilicon layer as a complementary optical layer on top of SOI based integrated optics | WITZENS, JEREMY |
| <a href="#"><u>60393683</u></a> | Not        | 159    | 07/03/2002 | Use of poly-silicon layer as an   | WITZENS, JEREMY |

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|                                 | Issued     |     |            | optical layer in an optical device fabricated in a CMOS process  |                 |
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| <a href="#"><u>60456381</u></a> | Not Issued | 159 | 03/21/2003 | Polarization-splitting waveguide grating coupler   | WITZENS, JEREMY |
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| <a href="#"><u>60568729</u></a> | Not Issued | 159 | 05/06/2004 | Grating coupler with defect mode   | WITZENS, JEREMY |
| <a href="#"><u>60572630</u></a> | Not Issued | 159 | 05/19/2004 | Optical flip-flop and optical clock made with monolithically integrated VCSELs   | WITZENS, JEREMY |
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| <a href="#"><u>60652480</u></a> | Not Issued | 20  | 02/11/2005 | Separation column based on an optical ratchet for the sorting of colloidal quantum dots by emission frequency                              | WITZENS, JEREMY |

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